# HOW INVENTORS HAVE PROPOSED TO NAVY OFFICIALS HERE CREATING

rine peridents in the last to years, three lives

instance would a lifting ship have been of assistance in saving life, if it had been available, and that in all cases of accidents where life has been preserved, it has been due to the efforts of the crew themselves without any

On the other hand, it has been said that officers and men of all submarine service have not hitherto attached much importance to life saving appliances as applied to the particular heads. Ey this method, in the event vessel for which they are responsible. They have said that the air-lock and helmet might enable men to escape if circumstances were propitious, but that these same circumstances are not likely to be propitious in the case of accidents. On the contrary, they know full well that, if anything serious happens to a boat, the crew are almost certain to lose their lives, and they accept the risk as a part of "the day's work."

Accidents Have Decreased.

There is no doubt that the accidents due to what may be called true submarine risk, that is, mishaps which are not caused by external interference, such as collisions, and are due to cause and circumstances inherent to the system, are steadily on the decrease, and this satisfactory result must be ascribed to be constant improvements in construction and equipment. For instance, in the "A" class of submarine in the British service

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Some of the methods of saving lives; (15 boats) 25 lives have been lost by proposed for just such crises as that collision, and 32 by foundering and exwhich has come to the submarine fit plosions. In the "B" class off boats: Any one of the new chains will easily are described in a vivid article in the 15 lives have been lost by collision- support the entire weight of the cyl- Constructor Furer, H. G. Plummer of Scientific American for June 27 by none through other causes in the inder. There have been 17 serious subma, which was responsible for the loss of

ing special "lifting ships" in readi- in which a portion of the vessel was pointed out by naval officers, first, that stances, although the airlocks and wide apart as Plymonth. Port-mouth, lower had been detachable as a whole Harwich Dundee and Lamlash, as apparatus, water-tight and provided well as at places abroad, like Gibral with air-storage, which would rise on tar, dalta and Hongkong and that being set free from the hull, there those attached to home ports go to would have been some chance of resconsiderable distances and dive in val cuing the crew, provided they were rious places, so that it would be im- not killed by the same cause which practicable to have lifting vessels | revented the rising submarine itself One such apparatus has been designed they say that in scarcely any known and patented by Mr. E. J. Castle, a retired draughtsman from his majesty's service, and another by Mr. G. Fitzhardinge Rose of London.

> Mr. Castle's idea is, to use his own words, referring to the illustration of the invention, as follows:

> "To fit two towers, 5 feet in diame ter, and about 5 feet 6 inches deep constructed of steel, well strengthened inside with brackets and steel angles and placed on the water-tight bulkof any one compartment getting waterlogged by escaping into an unfloodselves from the vessel by opening the escape scuttles on either side of the bulkhead in submarines and towers. and closing both when inside (making the vessel intact) and detaching them by means of clips. In the case of the "Lutine" (French submarine) where all the crew were lost, some escaped from a flooded to an unflooded compartment, and lived for an hour but there was no detachable tower or other device by which they could get out. By my method escape is afforded from three compartments for about 8 to 10 men in each. A small hydraulic is an upward pressure is required.

"On the manhole cover in each tower is a signal apparatus fitted with a cork buoy, which, on being released from inside by turning back the screw. rises to the surface and will show the position of towers. The towers are three feet six inches above the deck. but they can be fitted at varying

last is fitted for the purpose of keeping the towers stable in the light con-

"Although the fitting of chamber is not a new idea, as a few have been poses, and would not weaken the vessel, while at the same time giving is also to be used as laboratory and would be a danger, as with the present conning-towers, of damage in case of collision, but still the vessel would continue to be water-tight."

Mr. Rose's invention includes a submarine lifeboat and buoy. The lifeboat consists of a cylindrical chamber some eight feet in diameter, held under normal conditions within a watertight compartment by means of a stout screw carried through the base. At one spot within the water-tight compartment is a secondary chamber containing a buoy attached to a length of wire. On an accident happening to the submarine, the crew enter the water-tight belt and, sealing the door behind them, pass on to the inner cylinder. One stays behind sufficiently long to release, by means of a level gear, the buoy in the smaller chamber. The buoy rises to the surface at once, and indicates the whereabouts of the submerged craft. As soon as the crew are within the inner cylinder and the doors are shut, the cylinder is released from its contact with the body of the submarine by the unscrewing of the grip beneath the floor. If the compartment in which the cylinder rests has not been damaged, the cylinder at once rises to the surface by its own buoyancy. There is an electric light in the conning-tower and an apparatus for firing distance-rockets, so that, whether by day or night, at-Call and see our Art Stamps. Start tention can be called to the position collecting Peace stamps, Motion Pic- of the floating cylinder, with a view ture stars, and Add stamps. We are to obtaining help and avoiding collision. In calm weather, a collapsible



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# SAVE MEN FROM SUBMARINE DEATH ORGANIZATION FOR SALVAGE WORK

has been one accident from explosion, cylinder was closed and an air pres-making up the wrecking organization. of which II occurred to Busish ves | Whatever the cause of the mishap with the submarine F-1, brought along- ures submitted to Washington. It sels. The total number of lives lost to the "A-7" there is apparently no side the crane. The outside of the was the official O. K. to the expendithe deadlights showed that the fit- again.

> loat can be launched through the con-IJAPAN-CHINA DISPUTE ing-tower, to enable help to be sought rom the shore or from passing ves sels, or to locate the search-vessels which might be sent out to look for the submarine. Provision has been made however for the contingency of such damage to the submarine as may

Buoys to Rise to Surface. Within the cylinder are two other ompartments, which can be opened contain buoys which, rising to the suruoys which, rising to the surface, carry with them airtubes, electric light o shaped that they ride on the waves and keep a free air-vent, and on the exhaust-pipe of one buoy there is fitted siren. By pumping fresh air in through this one, the siren is worked, and the attention of passing or searchessels called to the spot. In proximity to the siren is a plate covering a telephone transmitter, which can be broken by the rescue party, and communication thus established with the men imprisoned below. If the salvage

provided for the purpose of exerting operations are likely to take some time, arrangements can be made for passing liquid food down the air-pipe, as has been done in the case of miners buried alive under a fall of earth, but with whom communication has been established pending their being dug out. The inventor maintains, how ever, if his ideas are properly carried out, the crew would be able to stay heights to reduce resistance if require at the bottom for a very considerable time, as the lockers under the seat in A flexible wire is stowed in a wa- the cylinder are supposed to be kept today. of the vessel being inclined. The fresh water. In one locker there is alarm is located below the cover; bal. an electric battery, to give light to Oahu Sugar dropped 1-4. the imprisoned men, and in another is compressed oxygen, in case of need. nary air, which can be used if repatented, this plan is theoretically, and quired. Round the fresh-water tank interest payments. think if tried would be found to be is another tank, in which sea-water practically correct for life-saving pur can be admitted by a valve, to be used as ballast, if necessary, and this tank

length of time.

This afternoon Capt. Smith, Naval the Hawaiian Dredging Co., and sev-In order to determine the location eral of the submarine officers are the loan desk. of the minute leaks in the tube the busily engaged collecting material and sure of 25 pounds per square inch Yesterday estimates of the daily cost will meet in the roof garden at the pumped in, the hose being connected of the work were made, and these fig. Alexander Young hotel at 9 o'clock cylinder was then gone over with ture of this amount that arrived this lather and a few air bubbles around morning and set the wheels turning

tings were not absolutely watertight. There is now no line fast to the The wooden framework around the F.4, that held by the Navajo having cylinder, designed as an added pro-carried away about 5 o'clock yestertection to the portholes and fittings, day afternoon. However, the exact was removed and a crew of men set spot is carefully plotted and buoyed, to work to correct the small error. | and when the navy men are ready to Civil Engineer Glenn S. Burrell will resume operations it will be a matter probably go down in the bell this aft. of a few hours only to again catch the ernoon to give it a last technical look-| submarine in a wire drag.

#### WILL END PEACEFULLY. PEKING EDITOR'S OPINION

That the Chino-Japanese question will soon be amicably settled is the opinion of Li Sum Ling, editor and prevent the lifeboat cylinder from rising to the surface and cause the de. owner of the Peking Daily News and tention of the crew at the bottom of of several other Chinese papers, who with a fellow editor, Wang Wen Ping, arrived in Honolulu on the Korea and is spending a short time here.

Li is commissioned by the Chinese government to investigate financial institutions in America, and declares ric light and telephone wires. The commerce, for education and for 8 o'clock

He places his faith in President Yuand telephone wires. The buoys are an Shih-kai, whom he depicts as a of China at heart. He thinks Japan is afraid of the powers stepping into Chinese affairs, which would deprive Promotion Committee log book. her of leadership in Asia.

The editor will visit the exposition and then go to Canada. He will stop at Chicago, Washington and New York and may return to China via the Eu-

it, the wire passing over a bracket, so for such an emergency, and there is boards Waialua, which today in congregation. as to have a vertical pull in the event a tank which is to be kept filled with creased its dividend from 50 cents a month to a dollar, went down 1 to 99.

andvance of 5 on the strength of the Ewa announced an increase in the

There was no sugar sale on

"Laughing gas" caused the death of good chances for the crew to get out a means of keeping the boat pure and Dr. Thomas B. Bailey, a dentist of at either end at great depth. There clean-a very important consideration Monteclair, N. J., who was found dead if life is to be maintained for any in his office. His death is believed to be an accident.

Hawaiian Lodge No. 21, F. and A.

Circuit Judge Whitney today granted a divorce to Theodore M. Bauman from Virginia Bauman, on the ground

M., special second degree tonight at

Books may be reserved at the Li-April 1. Application must be made at

The Catholic Ladies' Aid Society Thursday morning.

Circuit Judge Whitney has appointed the Hawaiian Trust Company administrator of the estate of Margaret

The regular monthly meeting of the Catholic Ladies' Aid Society will be held on the roof garden of the Young hotel on Thursday morning, April 1,

Pictures illustrating the beauties of the Hawaiian islands will be loaned by the Hawaii Promotion Committee to the Blaisdell hotel, where they will adorn the new lobby when it is com-

"With the People and Missions of "eylon," will be the subject of a stereopticon lecture by Rev. A. A. Ebersole in the Central Union parish house at 7:30 tonight. The public is

'What Americans Want" at the Y. M. C. A. on Thursday evening. The ad-China looks to the United States for dress will be given in Cooke Hall at

Prof. Curtis of Western Reserve

formation concerning tourists to Hagreat statesman and with the interest waii all visitors will hereafter be invited to sign their names and register their home and Hawaii address in the

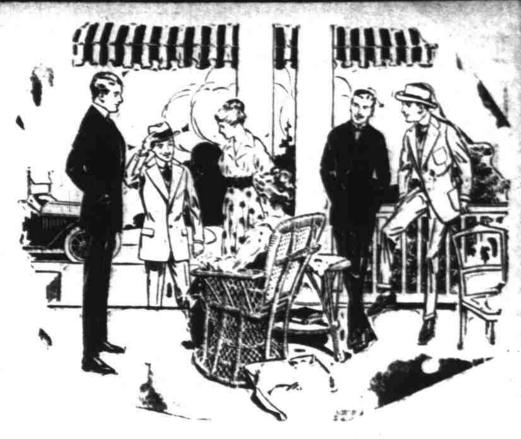
> Circuit Judge Stuart entered default judgment yesterday against J. H. LeClaire and the Honolulu Skating Rink in the sum of \$94.25, together with costs. Judgment is on a suit for debt brought by Harry T. Mills.

Johann Bruns has filed a petition in circuit court asking that the Hawaiian Trust Company be appointed administrator of the estate of John Eilers Bruns, who died March 27, leaving an estate estimated at \$1044.93.

tata by J. H. Saunders, will be sung Just 64 shares of sugar stock sold tonight at St. Andrew's cathedral. The between closing yesterday and closing work is written for two solo voices, ter-light ring, the buoy resting upon stocked with provisions, in readiness the exchange at all today. Between interspersed hymns to be sung by the

> The public is cordially invited to attend a conference explanatory o \$9000 more Oahu Railroad bonds sold the Bahai movement for universal re without change in price. O. R. & L. ligion, brotherhood and peace to be MEASURE TO PROHIBIT There is also an inner chamber round stock also sold unchanged. There was held in the Kilohana building, Berethe boat, filled with compressed ordi. a \$500 sale in Hilo 1901 bonds at an tania street, at 8:15 next Friday evening, April 2. The speakers will be Mrs. Corinne True of Chicago, Mr. C. Mason Remey of Washington, D. C. monthly dividend from 15 to 20 cents. and Mr. George O. Latimer of Portland, Oregon, who are in Honolulu

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### The CLARION

SALOONS NEAR SCHOOLS

AND CHURCHES PASSED On unanimous vote of the house of representatives today, Cooke's bill providing that no saloon, bar or liquor

nearest property line of any school,

ate. The measure exempts all place where liquor is now sold or served and will not effect those places when I cense ronewals are requested.

JACK LONDON ON WAR

Jack London, the author, ar engaged in the work of the Bahai house be located within 500 feet of the against war at the University club today. President Mott-Smith presided church or chapel in this Territory was and the noted writer declared that war is unnecessary and urged all pres-The bill has been sent to the sen- ent to take a stand against it.

# What do you KNOW about the War?

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With The Allies......Davis The Great War.....Simonds Why We are at War-By members of the Oxford University Faculty Germany's Fighting Machine ... ..... Henderson

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